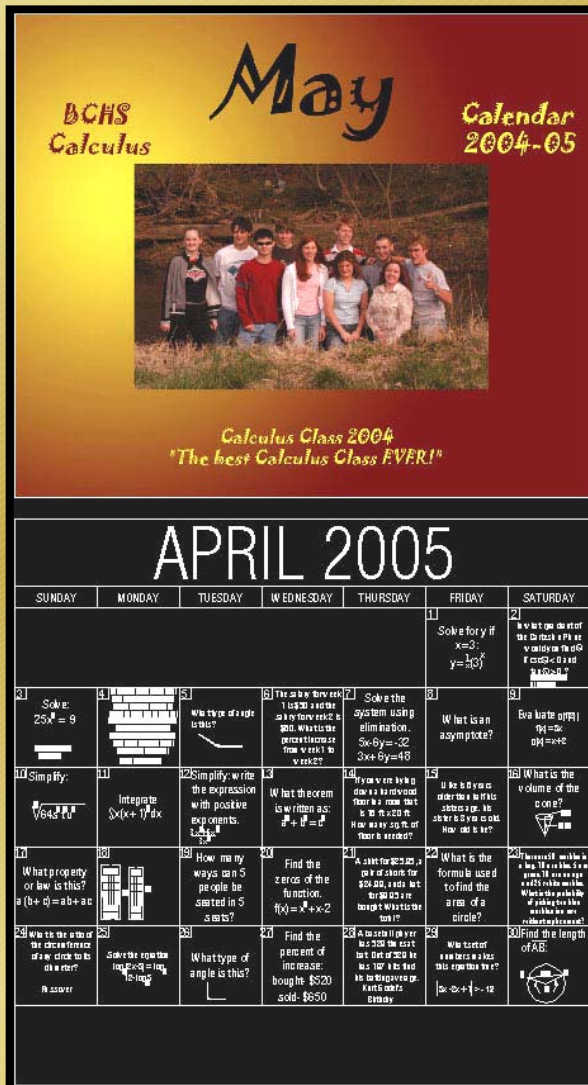


# Barren Co. ATC Collaborations Yield Innovative Results for Worthwhile Projects

The walls of the Barren Co. ATC are no boundaries for the staff and students who, over the past year, have lent their talents in separate projects with the Red Cross Elementary School Jr. Beta Club as well as the calculus class at the Barren Co. High School.

Reeda Anderson, the scrapbook advisor for the Jr. Beta Club came to the ATC looking for help with their scrapbook cover, which would be judged at the state convention.



The problem-a-day calendar, left, features calculus problems and answers for everyday of the week while the scrapbook cover, right, comes to life complete with a scrolling screen.



“We knew the ATC had a reputation for building creative projects,” said Anderson. “This year’s Beta theme was ‘Beta...Network for Success’ so our cover included a mock computer screen on the front that would scroll down when you pulled the mouse down. We came to the ATC with the idea and a rough drawing and they turned it into a reality.”

Kent Hood, carpentry instructor and Brent Claywell, air conditioning technology instructor pooled the talent in their classes and created a wood and Plexiglas “computer screen” and a “mouse” made of sheet metal.

The end result gave the Jr. Beta Club a first place finish at the state conference for their scrapbook.

### **“Problem-a-Day Calendar”**

Carl Owens, computer aided drafting (CAD) instructor was approached by some of his students about the possibility of designing a “problem-a-day” math calendar as part of an assignment from high school calculus teacher Ellen Blevins.

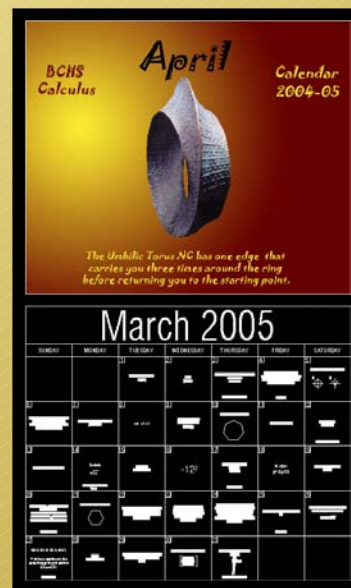
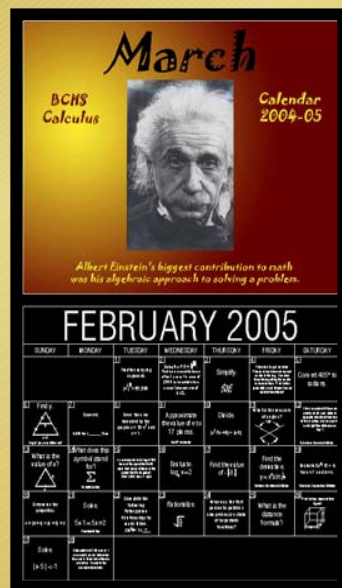
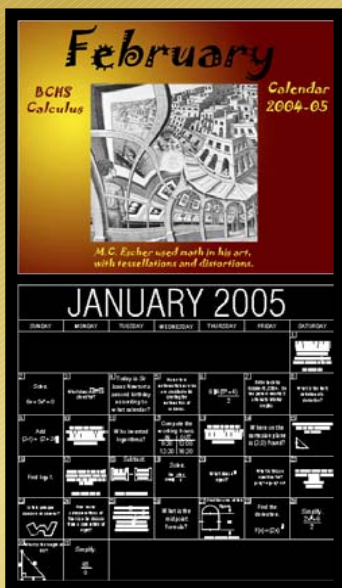
“The students figured they could simplify the process by designing the entire calendar themselves,” said Owens.

First the class was divided into subject areas and given the assignment to develop at least 100 questions for each of the four fields. Areas used were basic math, algebra, geometry and advanced math. They were also given certain months to research important dates.

As a class, they developed the rough draft and sketched everything on poster board. Each group was then given the task of developing a thought or a picture that would relay the month's idea. While the CAD students were given the task of translating the ideas to paper form, nearly all the students ended up working in CAD to finish.

"This was a very good project for me to take part in as I watched my students teach others," said Owens.

"These projects have allowed us to work with others to showcase our abilities on the state and national levels as well as to promote technical and academic collaborations," said ATC Principal Hal Toms. "The students involved had a chance to see just what we do at our school."



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